



**RE: Pathogen Data**

**Miller, Robin** to: Antony Tseng, Marzooq Alebus  
Cc: Barbara Hirst, Felix Locicero, Rosella OConnor, "Ilieve, Peter I."

02/01/2012 05:37 PM

Antony,

Certainly, the State should reply.

My initial impression is that Passaic River at RT 46 Elmwood Park 01389880 is 0.7 to 0.8 miles upstream of Dundee Dam and is most appropriate. The other stations higher up on the list are too far upstream to represent the load over the Dam.

I'm in the process of verifying that the remaining three stations are downstream of Dundee Dam and therefore are not suitable.

Please wait for the State to answer before contracting.

ROBIN LANDECK MILLER

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HydroQual is now HDR|HydroQual

-----Original Message-----

From: Antony Tseng [  
mailto:Tseng.Antony@epamail.epa.gov]  
Sent: Wednesday, February 01, 2012 5:24 PM  
To: Marzooq Alebus  
Cc: Barbara Hirst; Felix Locicero; Miller, Robin;  
Rosella OConnor; Ilieve, Peter I.  
Subject: Re: Pathogen Data

Marzooq,

The link you provided cites 24 USGS stations. Before I provide technical direction for the contractor to proceed with an evaluation the pathogen data and propose a variable boundary condition at the Dundee Dam, can you be more specific which station is relevant?

Agency  
Site Number  
Site Name  
Period of Record  
Begin Date

End Date  
Samples  
USGS  
01378660  
Passaic River at Tempe Wick Rd near Mendham NJ  
2000-11-29  
2002-08-08  
19  
USGS  
01378670  
Passaic River at Morristown National Hist Park NJ  
2006-08-15  
2007-08-07  
3  
USGS  
01378690  
Passaic River near Bernardsville NJ  
1965-04-15  
2009-05-07  
78  
USGS  
01378700  
Passaic River at outlet of Osborn Pond NJ  
1962-04-20  
1963-09-23  
5  
USGS  
01379000  
Passaic River near Millington NJ  
1923-08-16  
2009-05-07  
399

USGS  
01379300  
Passaic River at Stirling NJ  
1968-08-30  
2009-09-25  
17  
USGS  
01379340  
Passaic R at Berkeley Heights NJ  
2008-09-22  
2009-05-07  
4  
USGS  
01379500  
Passaic River near Chatham NJ  
1960-03-02  
2006-12-12  
381  
USGS  
01379504  
Passaic River at Summit Avenue at Chatham NJ  
2009-06-05  
2009-06-05

1  
USGS  
01379550  
Passaic R at Lower Chatham Bridge nr Chatham NJ  
2008-09-22  
2009-06-05  
4

USGS  
01379570  
Passaic R at Hanover NJ  
1963-06-25  
2009-04-10  
39

USGS  
01379580  
Passaic River near Hanover Neck NJ  
1963-12-09  
1965-04-27  
2

USGS  
01381900  
Passaic River at Pine Brook NJ  
1963-06-25  
2011-09-01  
101

USGS  
01382000  
Passaic River at Two Bridges NJ  
1963-06-25  
2011-11-16  
495

USGS  
01389005  
Passaic River below Pompton Riv at Two Bridges NJ  
1987-06-09  
1999-06-17  
136

Agency  
Site Number  
Site Name  
Period of Record  
Begin Date  
End Date  
Samples

USGS  
01389110  
Passaic River at Route 46 at Singac NJ  
1974-07-31  
2006-05-15  
426

USGS  
01389400  
Passaic River at Route 23 at Singac NJ  
2008-09-22

2009-05-08  
4  
USGS  
01389500  
Passaic River at Little Falls NJ  
1952-01-28  
2011-11-17  
949  
USGS  
01389630  
Passaic R at Totowa Rd at Totowa NJ  
2003-10-15  
2003-10-15  
1  
USGS  
01389800  
Passaic River at Paterson NJ  
1967-09-16  
2009-05-08  
11

USGS  
01389880  
Passaic R at Rt 46 at Elmwood Park NJ  
1974-07-22  
2011-09-01  
170  
USGS  
01389895  
Passaic River at Outwater Lane at Garfield NJ  
2003-11-19  
2006-12-12  
2  
USGS  
01392100  
Passaic R at Rutherford NJ  
1969-08-06  
1970-05-25  
11  
USGS  
01392600  
Passaic R at Harrison NJ  
1970-06-22  
1974-06-26  
58

Thanks,  
- Antony

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Antony Tseng  
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From: "Marzooq Alebus"  
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To: <Robin.Miller@hdrinc.com>  
Cc: "Barbara Hirst"  
<Barbara.Hirst@dep.state.nj.us>, "Debra Hammond"  
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Nyman/R2/USEPA/US@EPA, Rosella  
OConnor/R2/USEPA/US@EPA, Antony Tseng/R2/USEPA/US@EPA  
Date: 02/01/2012 03:48 PM  
Subject: Pathogen Data

Hi Robin,

Here are the link to all the data sampled at Passaic R upstream of Dundee:

[http://nwis.waterdata.usgs.gov/nj/nwis/qwdata?search\\_station\\_nm=PassaicRiver&search\\_station\\_nm\\_match\\_type=beginning&format=station\\_list&sort\\_key=site\\_no&group\\_key=NONE&inventory\\_output=0&rdb\\_inventory\\_output=file&TZoutput=0&pm\\_cd\\_compare=Greaterthan&radio\\_parm\\_cds=all\\_parm\\_cds&qw\\_attributes=0&qw\\_sample\\_wide=wide&rdb\\_qw\\_attributes=0&date\\_format=YYYY-MM-DD&rdb\\_compression=file&list\\_of\\_search\\_criteria=search\\_station\\_nm](http://nwis.waterdata.usgs.gov/nj/nwis/qwdata?search_station_nm=PassaicRiver&search_station_nm_match_type=beginning&format=station_list&sort_key=site_no&group_key=NONE&inventory_output=0&rdb_inventory_output=file&TZoutput=0&pm_cd_compare=Greaterthan&radio_parm_cds=all_parm_cds&qw_attributes=0&qw_sample_wide=wide&rdb_qw_attributes=0&date_format=YYYY-MM-DD&rdb_compression=file&list_of_search_criteria=search_station_nm)

I hope the attached data can be of some use to provide long term assessment of the boundary at Passaic R at Dundee

Pathogen indicators sampled from year 2000 to 2011:

# 31615 - Fecal coliform, EC broth method, water,  
most probable number per 100 milliliters # 31633 -  
Escherichia coli, m-TEC MF method, water, colonies  
per 100 milliliters # 31649 - Enterococci, m-E MF  
method, water, colonies per 100 milliliters # 31686  
- Total coliform, water, most probable number per 100  
milliliters

Helen, could you please check if this is all the data  
we have

If you've question, please let's know

Thank you,  
Marco

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